

**Career-Technical Credit Transfer (CT)<sup>2</sup>**  
**Dental Assisting Career-Technical Assurance Guide (CTAG)**  
**August 12, 2021**

The following courses, indicated by a Career-Technical Articulation Number (CTAN), is eligible for post-secondary credit and transfer among Ohio's public institutions of higher education. The SCTAI alignment document with ODE competencies and post-secondary learning outcomes can be found on the ODHE website at <https://www.ohiohighered.org/transfer/ct2/ctags>.

<b>CTDA001 Introduction to Dental Assisting</b>	<b>Credits: 1 Semester Hour</b>
<p><b>Advising Notes:</b> To access post-secondary college credit for this CTAN, the student must:</p> <ul style="list-style-type: none"><li>• Matriculate to an institution of higher education with an approved or comparable program within 3 years after completing the approved secondary program</li><li>• Successfully complete <u>ODE secondary course <b>Dental Technology (072075)</b></u> (and earn a qualifying score on the corresponding End of Course examination)</li></ul>	<p>Secondary institutions must have pathway approval from the Ohio Department of Education. Certificate of Affirmation assurances are now incorporated into the CTE-26 application process.</p>
<b>CTDA002 Dental Radiography</b>	<b>Credits: 2 Semester Hours</b>
<p><b>Advising Notes:</b> To access post-secondary college credit for this CTAN, the student must:</p> <ul style="list-style-type: none"><li>• Matriculate to an institution of higher education with an approved or comparable program within 3 years after completing the approved secondary program</li><li>• Successfully complete <u>ODE secondary course <b>Dental Radiography (072076)</b></u> (and earn a qualifying score on the corresponding End of Course examination)</li></ul>	<p>Secondary institutions must have pathway approval from the Ohio Department of Education. Certificate of Affirmation assurances are now incorporated into the CTE-26 application process.</p>

Each CTAN identifies learning outcomes that are equivalent or common in introductory technical courses. For students to receive credit under these agreements, the career-technical secondary programs and the post-secondary institutions must document that their course content matches the learning outcomes in the CTANs. In accordance with Ohio Revised Code 3333.162, industry standards and certifications provide documentation of student learning.

**Requirements and Credit Conditions:**

1. The receiving institution must have a comparable program, major, or course that has been approved through submission to the Ohio Department of Higher Education (CT)<sup>2</sup> approval process for the CTAN listed in this document.
2. Credits apply to courses in the specified technical area at Ohio's public institutions of higher education, if the institution offers courses in the specific technical area. In the absence of an equivalent course, and when the institution offers the technical program, the receiving institution will guarantee to grant and apply an equivalent credit value of the Career-Technical Articulation Number (CTAN) toward the technical requirements of the specific degree/certificate program.
3. The applicant must provide proof to the receiving institution that she/he completed a course that has been approved through the (CT)<sup>2</sup> approval process and that she/he has passed the end-of-course assessment.
4. A career-technical student seeking credit under the terms of this CTAG must apply and be accepted to the college within three years of completing a career-technical course.
5. A career-technical student who meets all eligibility criteria will receive the credit hour value for the comparable course as offered at the receiving state institution of higher education.
6. The admission requirements of individual institutions and/or programs are unaffected by the implementation of (CT)<sup>2</sup> outcomes.
7. The transfer of credit, through this CTAG, will not exempt a student from the residency requirements at the receiving institution.

**CTDA001 – Introduction to Dental Assisting**

**General Course Description:** This course is an introduction to dental assisting. The role of the dental assistant and the profession of dentistry are covered. In addition, dental terminology, ethics, and laws are introduced.

**Credits:** 1 Semester Hour

**Learning Outcomes:**

1. Describe the history of dentistry and dental assisting.\*
2. Explain the role of the dental assistant and their duties in creating a safe environment for the public.\*
3. Define dental terminology.\*
4. Describe professionalism for dental assistants.\*
5. Name and describe members of the dental team.\*
6. Identify dental specialties and team member roles in various fields.\*
7. Describe the practices of basic oral hygiene.\*
8. Explain the laws and rules in dentistry and licenses and certificates required in the field.\*

## **CTDA002 – Dental Radiography**

**General Course Description:** The course will prepare the learner for the state license examination for exposing radiographs in a dental office setting. Includes properties of radiographs and imaging, the dental imaging machine, radiation safety, digital imaging, dental films, and the processing of radiographs.

**Credits:** 2 Semester Hours

### **Learning Outcomes:**

1. Recognize the properties of x-radiation.\*
2. Describe how dental radiographic images are produced.\*
3. Explain how kV, mA, and exposure time affect the x-ray beam.\*
4. Identify the proper range of kV and mA used in dental radiographic imaging.\*
5. Discuss radiation injury and describe the effect on various tissues.\*
6. List and describe ways to protect a patient before, during and after radiation exposure.\*
7. Define MPD, cumulative occupational dose, and ALARA.\*
8. Demonstrate proper safety protocols when exposing radiographic images.\*
9. Label the dental x-ray machine component parts and explain the function of each.\*
10. Assess equipment prior to use for safety and quality assurance.\*
11. Demonstrate preparing the armamentarium for dental radiographic images.\*
12. Demonstrate preparing the patient for dental radiographic images.\*
13. Demonstrate techniques for exposing bitewing, periapical, panoramic, and occlusal dental radiographic images.\*
14. Describe and demonstrate the processing, storing, and information security of dental radiographic images.\*
15. Accurately arrange dental radiographic images.\*

***\*Asterisk Indicates Essential Learning Outcomes***

## **Dental Assisting Panel Participants**

**2021**

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